

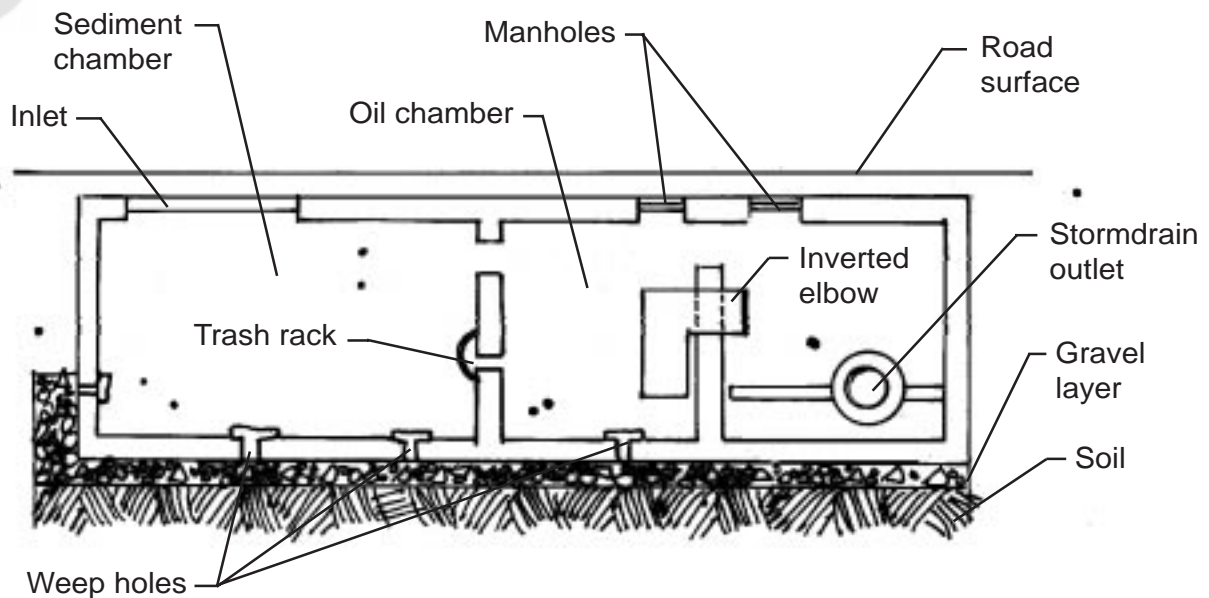
PRIMARY USE: Similar to the Montgomery County Water Quality Inlet, used to remove hydrocarbon loadings and sediment from parking lot runoff.

ADDITIONAL USES: Marginal stormwater management due to limited storage capacity.

ROCKVILLE WATER QUALITY INLET

What is it? This alternative to the Montgomery County water quality inlet utilizes a curb and gutter to direct runoff towards the first of three cells. Unlike its counterpart, the Rockville water quality inlet does not utilize permanent water pools in the first two cells. Runoff is drained through a series of screened six inch (152 mm) weep holes located on each cell floor, and then through a stone aggregate layer, eventually exfiltrating it into the soil.

Purpose Pollutant removal is improved due to exfiltration. See Montgomery Water Quality Inlet.



**Rockville Water Quality Inlet
Section View**

Limitations

In general, the limited storage capacities of water quality inlets result in marginal stormwater management benefits. Weep hole locations in cell floors give rise to concerns that the time they are free of clogging may be limited. Oil/grit separators store only a fraction of a two year storm design volume. Their limited capacity does not modify the post development peak discharge rate. Only moderate removal of debris, oil and grease, and coarse sediments is likely.

Materials

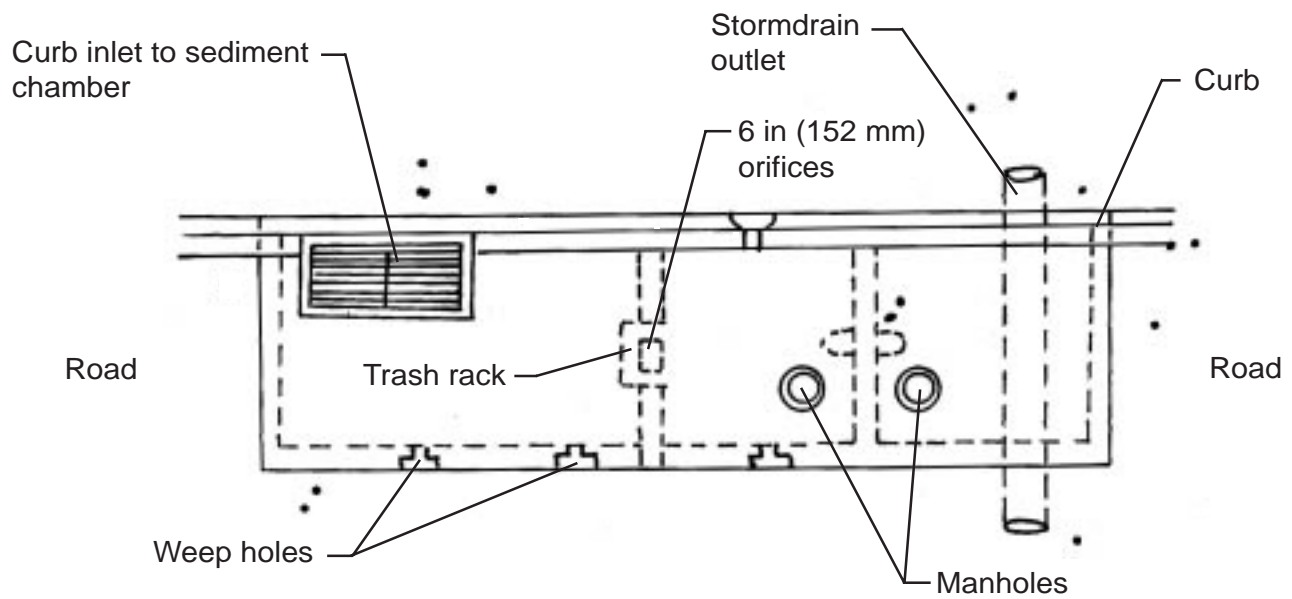
No special materials required. Refer to accompanying drawing. Several commercial water quality inlets are available.

Installation No special guidelines.

Source: Controlling Urban Runoff, Metropolitan Washington.

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Additional Drawings:



**Rockville Water Quality Inlet
Plan View**